Attorney Docket No. 200210114-1 Confirmation No. 4913

COVER SHEET

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In re Patent Application of:
David Champion et al.

Serial No. 10/643,571
Confirmation No. 4913
Filed 08/19/2003

For: OPTICAL PROPERTY NORMALIZATION FOR A TRANSPARENT ELECTRICAL DEVICE

Date: February 22, 2005

Group Art Unit: 2815

Examiner: Jerome Jackson Jr.

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Typed name of person signing this certificate: Theodore R. Touw

Signature T.R. Touw Date signed 02/22/2005

Received this date:

AMENDMENT

consisting of transmittal with fee authorization (one sheet in duplicate), amendment (nine sheets) and this cover sheet (one sheet), a total of twelve sheets in this transmission.

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Intellectual Property Administration
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200210114-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): David Champion et al.

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Title: OPTICAL PROPERTY NORMALIZATION FOR A TRANSPARENT ELECTRICAL DEVICE

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

(X) Response/Amendment
( ) New fee as calculated below
(X) No additional fee
( ) Other: _____ (fee $_____)
( ) Petition to extend time to respond
( ) Supplemental Declaration

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	24	MINUS	42	= 0	x $50	$ 0
INDEP. CLAIMS	7	MINUS	10	= 0	x $200	$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ $360	$ 0
EXTENSION FEE	1ST MONTH $120.00 [ ]	2ND MONTH $450.00 [ ]	3RD MONTH $1020.00 [ ]	4TH MONTH $1590.00 [ ]		$ 0
					OTHER FEES	$
					TOTAL ADDITIONAL FEE FOR THIS AMENDMENT	$ 0

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Typed Name: Theodore R. Touw

Signature: T R Touw

Respectfully submitted,

David Champion et al.

By T R Touw

Theodore R. Touw

Attorney/Agent for Applicant(s)
Reg. No. 36,702

Date: 02/22/2005

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Rev 12/04 (TnAmcFax)

- Attach as First Page to Transmitted Papers -

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PATENT APPLICATION

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					OTHER FEES	$
					TOTAL ADDITIONAL FEE FOR THIS AMENDMENT	$ 0

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In re Patent Application of: David Champion et al.	Date: February 22, 2005
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For: OPTICAL PROPERTY NORMALIZATION FOR A TRANSPARENT ELECTRICAL DEVICE	

AMENDMENT

Hon. Commissioner of Patents and Trademarks
Alexandria, VA 22313

Dear Sir:

In response to the communication from the Examiner dated Dec. 7, 2004, please amend the application identified above as reflected in the listing of claims which begins on page 2 of this paper, including cancellation without prejudice of claims 1 -15, 32 - 37, and 39 – 42 and entry of new claims 43 – 49.

Remarks begin on page 9 of this paper.

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LISTING OF CLAIMS

1 -15 (canceled).

16. (original) An integrated circuit comprising:

a first thin-film stack over a substrate:

being substantially transparent to visible light through a first surface thereon; and

having an optical property of a first value; and

a second thin-film stack, laterally displaced from the first thin-film stack, over the semiconductor substrate, the second thin-film stack:

being substantially transparent to visible light through a second surface thereon;

having the optical property of a second value;

including at least a portion of a semiconductor device beneath the second surface; and

having a third surface that has the optical property of a third value, wherein:

a spectral normalization structure is disposed with the third surface; and

the first and second values are substantially the same but are not substantially the same as the third value.

17. (original) An integrated circuit as described in claim 16, wherein the optical property is selected from the group consisting of:

transmission;

reflection; and

absorption.

18. (original) An integrated circuit as described in claim 16, wherein the first and second surfaces have rounded edges.

19. (original) An integrated circuit as described in claim 16, wherein one or more optical diffuser sheets are disposed over the first and second surfaces.

20. (original) An integrated circuit comprising:

a first thin-film stack over a substrate:

being substantially transparent to visible light through a first surface thereon;

having an optical property of a first value; and

including at least a portion of a semiconductor device beneath the first surface; and

a second thin-film stack, laterally displaced from the first thin-film stack, over the substrate, the second thin-film stack:

being substantially transparent to visible light through a second surface thereon;

having the optical property of a second value;

having a third surface that has the optical property of a third value, wherein

a spectral normalization structure is disposed with the third surface; and

the first and second values are substantially the same but are not substantially the same as the third value.

21. (original) An integrated circuit as described in claim 20, wherein the optical property is selected from the group consisting of:

transmission;

reflection; and

absorption.

22. (original) An integrated circuit as described in claim 20, wherein the first and second surfaces have rounded edges.

23. (original) An integrated circuit as described in claim 20, wherein one or more optical diffuser sheets are disposed over the first and second surfaces.

24. (original) An apparatus comprising a substrate over which a plurality of regions are formed and laterally displaced one to another;

wherein each said region:

is substantially transparent to visible light; and

includes thereon a normalized surface having an optical property with a normalized value that is substantially the same at each respective wavelength of visible light as that of the other said regions;

wherein:

one said region includes at least a portion of an electrical component; and

at least one said region includes beneath the normalized surface thereon:

an additional surface having a value for the optical property that is not substantially the same as the normalized value at each respective wavelength of visible light; and

a spectral normalization structure that is disposed with the additional surface such that the normalized surface of the at least one said region has the normalized value that is substantially the same at each respective wavelength of visible light as that of the other said regions.

25. (original) An apparatus as described in claim 24, wherein the at least one said region that includes the spectral normalization structure also includes the portion of the electrical component.

26. (original) An apparatus as described in claim 24, wherein the plurality of regions has a substantially uniform color when viewed by a human eye.

27. (original) An apparatus as described in claim 24, wherein the optical property is selected from the group consisting of:

transmission;

reflection; and

absorption.

28. (original) An apparatus as described in claim 24, wherein:

the electrical component is a semiconductor device; and

the plurality of laterally displaced regions are disposed over a substrate.

29. (original) An apparatus as described in claim 24, wherein each said normalized surface has rounded edges.

30. (original) A composition comprising a spectral normalization material that is disposed with at least one region of a plurality of laterally displaced regions, wherein:

each said region being substantially transparent to visible light and including a normalized surface having an optical property that has a normalized value that is substantially the same, one to another;

one said region including one or more materials that form at least a portion of an electrical component; and

at least one said region including beneath the surface;

an additional surface having a value for the optical property that is not substantially the same as the normalized value; and

the spectral normalization material that normalizes the optical property for the at least said region such that the at least one said region has the normalized surface having the optical property that has the normalized value.

31. (original) A composition as described in claim 30, wherein the optical property is selected from the group consisting of:

transmission;

reflection; and

absorption.

32 – 37 (canceled).

38. (original) A method comprising:

in an electrical device comprising a plurality of laterally displaced regions each being substantially transparent to visible light, wherein:

each said region including a normalized surface having an optical property having normalized values that are substantially the same at each respective wavelength of visible light, one to another;

one said region including at least a portion of an electrical component; and

at least one said region includes beneath the normalized surface:

an additional surface having values for the optical property that are not substantially the same as the normalized values at each respective wavelength of visible light; and

a spectral normalization structure that is disposed with the additional surface such that the normalized surface of the at least one said region exhibits the normalized values,

transmitting light through the plurality of laterally displaced regions, wherein the one said region including the electrical component is substantially visually imperceptible by a human eye that views the transmitted light.

39 – 42 (cancelled).

43. (new) A display device comprising the integrated circuit of claim 16.

44. (new) A display device comprising the apparatus of claim 24.

45. (new) A display device comprising the composition of claim 30.

46. (new) A method for fabricating a display device of the type having a housing, a light source, and a substantially transparent device attached to the housing through which light from the light source is transmitted, the method comprising the steps of:

a) providing a substrate,

b) forming over the substrate a plurality of regions laterally displaced one to another,

wherein each region is substantially transparent to visible light and includes a normalized surface having an optical property with a normalized value that is substantially the same at each respective wavelength of visible light as that of the other regions, and

wherein at least one region includes at least a portion of an electrical component, and at least one region includes beneath the normalized surface thereof:

i) an additional surface having a value for the optical property that is not substantially the same as the normalized value at each respective wavelength of visible light, and

ii) a spectral normalization structure that is disposed with the additional surface such that the normalized surface of the at least one region has the normalized value that is substantially the same at each respective wavelength of visible light as that of the other regions.

47. (new) The method of claim 46, wherein the substrate provided is substantially transparent to visible light.

48. (new) A display device made by the method of claim 46.

49. (new) An apparatus comprising:

a) a substrate over which a plurality of regions are formed and laterally displaced one to another, wherein:

each of the regions is substantially transparent to visible light, and each of the regions includes thereon a normalized surface having an optical property with a normalized value that is substantially the same at each respective wavelength of visible light as that of the other regions, and wherein:

i) one of the regions includes at least a portion of an electrical component, and

ii) at least said one of the regions includes beneath the normalized surface thereon an additional surface having a value for the optical property that is not substantially the same as the normalized value at each respective wavelength of visible light;

and

b) means for spectral normalizing,

the means for spectral normalizing being disposed in relation to the additional surface such that the normalized surface of the said at least one region has the normalized value that is substantially the same at each respective wavelength of visible light as that of the other regions.

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REMARKS

The Examiner's communication dated Dec. 7, 2004, which includes allowance of claims 16 - 31 and 38, is acknowledged with thanks.

Claims 1 – 42 are pending. Claims 1 -15, 32 - 37, and 39 – 42 stand rejected. Claims 16 - 31 and 38 are allowed.

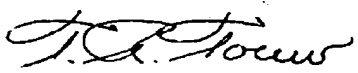
By the present amendment, claims 1 -15, 32 - 37, and 39 – 42 are cancelled without prejudice, and new claims 43 - 49 are added. After this amendment, claims 16 – 31, 38, and 43 – 49 are pending.

New claims 43 - 49 are submitted to more clearly state and distinctly claim what applicants believe to be their invention. Basis for new claims 43 - 49 is found in the claims as originally filed, in the drawings as filed, and in the specification at paragraphs [0029 -0043].

The applicants reserve the right to file continuation and/or divisional applications claiming the content of the cancelled claims.

Reconsideration of the application as amended is respectfully requested. This amendment is believed to put the application in condition for allowance, which is respectfully requested.

Respectfully submitted,
David Champion et al.



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